

ABSTRACT

A plasma reactor for treating exhaust gases of internal combustion engines is provided, the plasma reactor having a ceramic body with a plurality of channels running through it. A gas may be passed through a first set of channels, while a second set of channels contains an electrically conducting material such that a plasma is generated in the interior of the second set of channels by applying an electric voltage.

Also, a method of manufacturing a plasma reactor is provided, whereby first a green ceramic body having a plurality of channels running through it is produced and sintered to form a ceramic body, and then an electrically conducting material is introduced into a second set of channels in the ceramic body.